

SUPPLEMENTAL MATERIAL

Table S1. Unadjusted Growth Outcomes Based on Treatment Strategy.

Time Interval	Variable	Overall (N=261)				Single Ventricle (N=135)				Two Ventricle (N=126)			
		N	PDA Stent N=66 25.3%	BT Shunt N=195 74.7%	P	N	PDA Stent N=29 21.5%	BT Shunt N=106 78.5%	P	N	PDA Stent N=37 29.4%	BT Shunt N=89 70.6%	P
Entire Interstage	Daily weight gain (grams/d)	261	18.7 (14.4 – 23.5)	19.5 (15.3 – 24.2)	0.287	135	17.7 (14.4 – 20.9)	20.9 (15.3 – 25.7)	0.043	126	19.8 (15.5 – 24.7)	18.7 (15.7 – 21.9)	0.491
	Change in WAZ	258	-0.40 (-1.19 – 0.51)	-0.35 (-1.1 – 0.56)	0.978	134	-0.25 (-1.37 – 0.40)	-0.37 (-0.97 – 0.32)	0.704	124	-0.58 (-1.07 – 0.66)	-0.25 (-1.27 – 0.83)	0.915
	Change in WLZ	208	-0.73 (-2.07 – 0.42)	-0.46 (-1.75 – 0.85)	0.389	108	-0.54 (-1.68 – 0.76)	-0.33 (-1.70 – 0.72)	0.972	100	-1.30 (-2.30 – 0.40)	-0.48 (-2.06 – 0.89)	0.420
Inpatient Interstage	Daily weight gain (grams/d)	258	12.2 (0.0 – 28.5)	9.3 (-6.5 – 20.0)	0.124	134	18.1 (15.9 – 22.2)	22.7 (17.5 – 28.1)	0.015	124	7.4 (0.0 – 26.1)	10.1 (-11.0 – 22.5)	0.508
	Change in WAZ	261	-0.31 (-0.79 – 0.04)	-0.66 (-1.16 – (-0.15))	0.005	135	-0.29 (-0.79 – 0.04)	-0.62 (-1.15 – (-0.19))	0.096	126	-0.34 (-0.75 – (-0.04))	-0.70 (-1.19 – (-0.10))	0.027
	Change in WLZ	209	-0.17 (-0.79 – 0.58)	-0.08 (-1.26 – 0.69)	0.679	109	-0.47 (-0.92 – 0.64)	-0.09 (-1.22 – 0.48)	0.762	100	-0.13 (-0.73 – 0.46)	-0.07 (-1.28 – 0.75)	0.828
Outpatient Interstage	Daily weight gain (grams/d)	258	18.6 (14.8 – 23.7)	21.0 (16.7 – 27.2)	0.027	134	18.1 (15.9 – 22.2)	22.7 (17.5 – 28.1)	0.015	124	18.8 (13.9 – 25.0)	20.4 (15.4 – 24.4)	0.510
	Change in WAZ	258	-0.03 (-0.68 – 0.80)	0.30 (-0.41 – 1.11)	0.146	134	0.13 (-0.64 – 0.80)	0.21 (-0.39 – 0.92)	0.816	124	-0.06 (-0.77 – 0.80)	0.41 (-0.44 – 1.42)	0.068
	Change in WLZ	247	-0.66 (-2.13 – (-0.45))	-0.24 (-1.59 – 0.87)	0.118	131	-0.20 (-2.25 – 0.45)	-0.15 (-1.37 – 0.85)	0.283	116	-1.13 (-2.12 – 0.43)	-0.35 (-2.11 – 1.11)	0.361

Values are reported as N (%) or median (25th – 75th percentiles)

WAZ = Weight-for-Age Z-score; WLZ = Weight-for-Length Z-Score

Table S2. Adjusted Growth Outcomes Based on Treatment Strategy.

Time Interval	Variable	Overall (N=252)				Single Ventricle (N=133)				Two Ventricle (N=119)			
		N	PDA Stent N=64 25.4%	BT Shunt N=188 74.6%	P	N	PDA Stent N=29 21.5%	BT Shunt N=106 78.5%	P	N	PDA Stent N=35 29.4%	BT Shunt N=84 70.6%	P
Entire Interstage	Daily weight gain (grams/d)	252	18.4 (14.3 – 21.5)	19.5 (15.6 – 24.2)	0.071	133	17.7 (14.4 – 20.9)	21.1 (15.1 – 25.7)	0.036†	119	18.9 (13.7 – 22.1)	18.9 (15.8 – 22.0)	0.760
	Change in WLZ	200	-0.90 (-2.31 – 0.50)	-0.45 (-1.74 – 0.89)	0.267	106	-0.43 (-1.41 – 1.04)	-0.36 (-1.67 – 0.80)	0.919	94	-1.48 (-2.68 – 0.41)	-0.47 (-2.03 – 1.02)	0.212
Inpatient Interstage	Daily weight gain (grams/d)	249	12.2 (0.0 – 26.1)	8.9 (-4.0 – 20.0)	0.145	132	13.6 (0.0 – 37.0)	8.7 (-4.0 – 18.8)	0.124‡	117	7.9 (0.0 – 26.1)	10.9 (-4.3 – 23.0)	0.577
	Change in WLZ	200	-0.19 (-0.80 – 0.58)	-0.10 (-1.23 – 0.70)	0.899	107	-0.47 (-0.92 – 0.64)	-0.11 (-1.21 – 0.47)	0.850	93	-0.17 (-0.75 – 0.43)	-0.04 (-1.28 – 0.78)	0.936
Outpatient Interstage	Daily weight gain (grams/d)	249	18.5 (14.8 – 23.0)	21.2 (17.0 – 27.2)	0.004	132	18.5 (16.2 – 22.4)	22.9 (17.5 – 28.1)	0.013†	117	17.3 (13.8 – 24.0)	20.7 (16.7 – 24.5)	0.103
	Change in WLZ	239	-0.76 (-2.13 – 0.45)	-0.23 (-1.59 – 1.06)	0.097	129	-0.18 (-1.43 – 0.45)	-0.09 (-1.37 – 1.01)	0.335	110	-1.21 (-2.13 – 0.43)	-0.34 (-2.11 – 1.35)	0.245

Values reported as N (%) or median (25th – 75th percentiles). WLZ = Weight-for-Length Z-Score. Adjusted for prematurity, NEC, genetic syndrome, extracardiac anomalies and intrauterine growth restriction.

* P-value remains significant after adjustment using the propensity score

‡ P-value no longer significant after adjustment using the propensity score

† Treating center as fixed effect, adjusted p-value no longer significant (p>0.05)

‡ Treating center as fixed effect, adjusted p-value becomes significant (p<0.05)